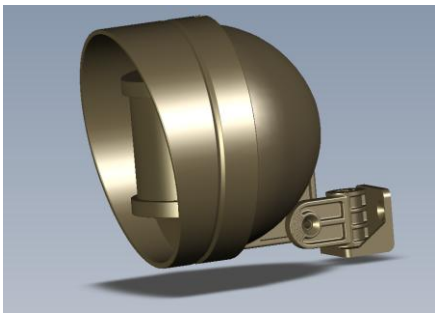
MotionControl USER MANUAL

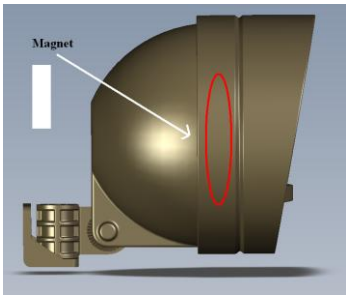
WIRELESS MOTION SENSOR



Quick, easy installation with no wires required. Once motion is detected a signal is sent to an ABT ZoneControl receiver. The signal turns on any landscape lights connected to the ZoneControl Unit. Any lights not already "On" will turn on for 5 minutes.

INSTALLATION OVERVIEW

1. Take the PIR over to the ZoneControl you want it learned into.
2. Learn the PIR into the ZoneControl
3. Test the unit to make sure it operates correctly at the desired location.
4. Mount the MotionControl unit in the desired location. (Height of 7.5' is recommended)
5. Adjust the angle if necessary.(left/right, up/down)
6. If desired, change the duration on the MotionControl from 5 – 60 minutes with the Programmer.



LEARNING THE MOTIONCONTROL TO A ZONECONTROL

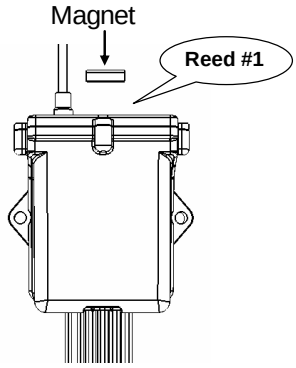
1. With the MotionControl in hand, move to the desired ZoneControl Receiver. Place the supplied magnet over the arrow on the **left side** of the MotionControl**.**

2. **Remove** the magnet **when** you see a **red** light on the front screen.

3. Using a magnet, swipe the ZoneControl Reed #1 (top Reed). The ZoneControl will start to click until it receives a signal from the MotionControl. **Swipe your hand** in front of the MotionControl to send a signal. Once the signal is received the ZoneControl will stop clicking.

4. Once complete, mount the MotionControl in the desired location and see if the lights connected to the ZoneControl turn on correctly. **Note:** After the initial 1 min. test there is a 4 minute delay until the MotionControl will sense movement.

WALK TEST



1. Place the supplied magnet over the arrow on the left side of the MotionControl and **Remove** the magnet **when** you see a **red** light on the front screen.

2. Move in the area you want covered by the MotionControl. As you walk the LED on the MotionControl will flash. This will continue for **1 MINUTE** to allow you to check the coverage of the motion sensing beam. **Note: There is a 3 SECOND delay between red light flashes.**

DAY/NIGHT MODE

The MotionControl has a Day/Night feature built in. The MotionControl comes programmed to only trigger at night. Between 8:00 a.m. and 3:00 p.m. the MotionControl will not turn lights on. This feature can be changed with the programmer if a customer wants to have the MotionControl trigger during the day and night.

TESTING NOTE

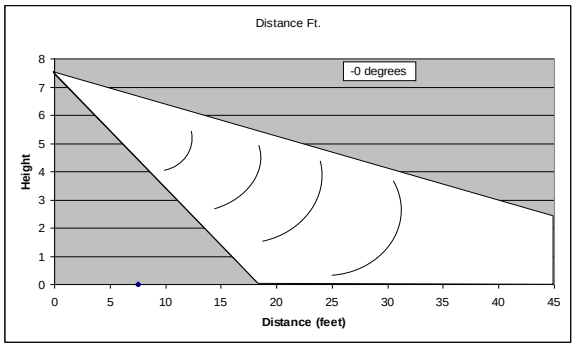
You can test the product 3 times before it reverts to night mode only. This is important to note that after you test 3 times the MotionControl will revert to night time only mode.

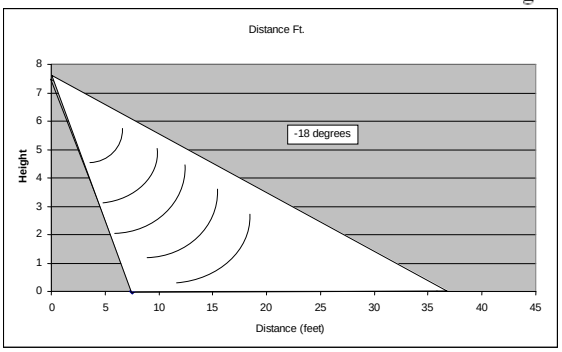
SENSOR COVERAGE PATTERNS

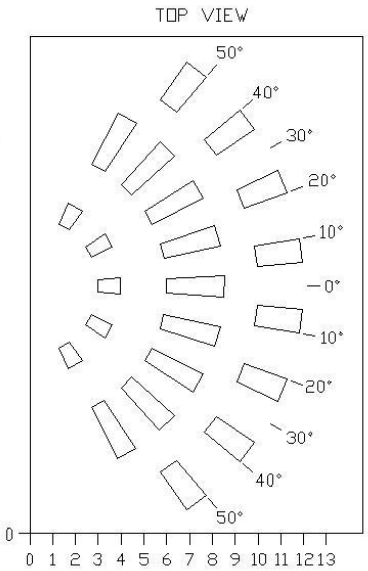
The Charts demonstrate how the beam pattern changes as you tilt the angle of the MotionControl.

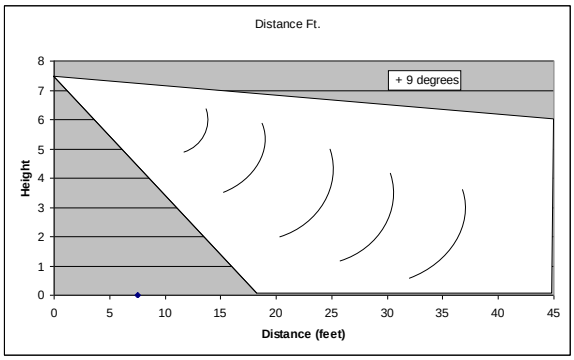
All units are in feet. 0° is the MotionControl facing straight outwards with no tilt(fig1). -9° is the MotionControl tilted down one click(fig 4). -18° is the MotionControl tilted down 2 clicks(fig 2). +9° is the MotionControl tilted up one click(fig 3).

fig 1 **Side View** **fig 2**









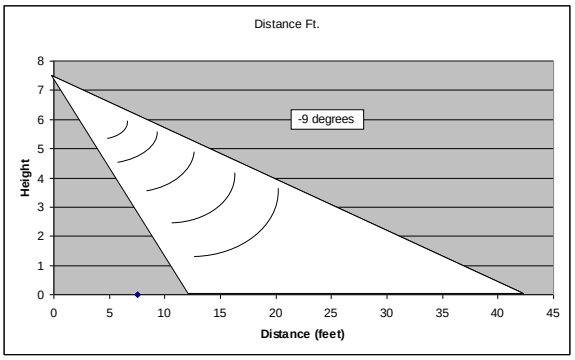


fig 3 **fig 4**

CHANGING THE DURATION OF THE MOTIONCONTROL

To change the duration on the MotionControl, utilize the programmer. (v2.0 or later). The MotionControl comes with a 5 minute setting on the sensor duration. Utilize the following instructions to change the desired duration.

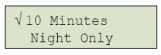
Follow the steps below to change the Motion Sensor time duration

Time can be changed to 10, 15, 20, 25, 30 , 45 or 60 minutes.

DURATION STEPS

1. Scroll down to the **2.** Press OK key **3.** Press ⇩ or ⇧ to change the time duration

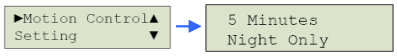
4. Press OK key to confirm



Night/Day STEPS

You can change the Setting from Night Only to Day & Night if desired.

1. Scroll down to the **2.** Press OK key **3.** Press ⇨ to move down to the Night only line



4. Press ⇩ or ⇧ to change to Day & Night **5.** Press OK key to confirm

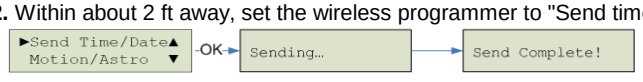
TRANSMIT STEPS

You can now send the Motion Sensor Time and Day/Night Data

To transmit the data to the ZoneControl make sure you swipe reed #1

1. Swipe reed # 1. ZoneControl will start to click.

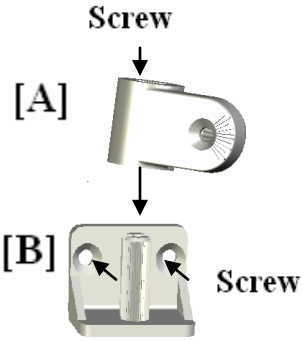
2. Within about 2 ft away, set the wireless programmer to "Send time/date" and hit OK.



Do not release the OK button until you hear the loud beep.

MOUNTING

1. Optimal mounting height is 7.5 Ft. Attach the MotionControl to the [**A**] mounting arm with a screw. Screw the [**B**] mounting bracket into the wall using the 2 wall mount screws. Place the MotionControl on the mounting bracket and screw in the top screw. To tilt the MotionControl simple loosen the screw, adjust the unit (1 or 2 clicks) and re-tighten.



FAQ's and HINTS

Question	Answer
My MotionControl unit does not turn the lights on.	Make sure the unit is properly learned into the respective Zone Control Receiver. Make sure that there are not any large metal objects or steel Reinforced concrete walls between the MotionControl and the Zone Control.
My MotionControl unit senses all movement in the area including my pets.	Make sure the unit is properly mounted. Tilting the MotionControl down will pick up more movement including animals.
What can cause objects to trigger the MotionControl?	Positioning the MotionControl into direct sun light. Close proximity to a heating or cooling A/C duct. Vegetation that moves in front of a heated source.
How should I mount the MotionControl to get the most effective use of it?	Mount the MotionControl 7.5' high facing the area to be protected and make sure that there are no obstacles such as walls, furniture, posts, counter etc. that are interfering with the beam pattern. Also check to make sure that there is no source of heat or cold to interfere with the MotionControl function.
If I have a long wall and need to install multiple MotionControl units then how far apart should I mount them?	Mounting them between 3 and 4 meters (10' and 13') apart insures that you get good beam coverage of the area.
How many MotionControl units can I learn into a Zone Control?	Each MotionControl unit acts like a transmitter. Each ZoneControl can Learn 8 separate transmitters.
Why won't my MotionControl shut off after 5 minutes?	Did you change the duration from 5 to 10-60 minutes? If the MotionControl senses movement after 4 minutes it will stay on for another 5 minutes. If the duration has been changed to a longer time the MotionControl will stay on for that additional timeframe.

Specifications

Power source use CR123A 3V, Panasonic lithium battery only
Dimensions (L x W x H) 3.5" x 3.5" x 3.5"
Weight 5.5 oz. (with battery and bracket)
Typical battery life 5 to 8 years
Operating temperature 32 to 120°F (0 to 49°C)
Operating frequency 433 MHz
Maximum horizontal sensing angle 110°
Maximum detection range 40'

Technical support

Toll-free: (888) 869-4737 in the US, including Alaska and Hawaii; Puerto Rico; Canada.
Outside the toll-free area: Contact your local dealer.

FCC compliance

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.